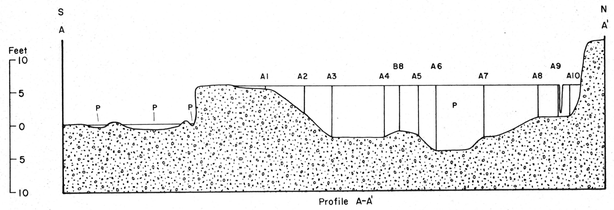
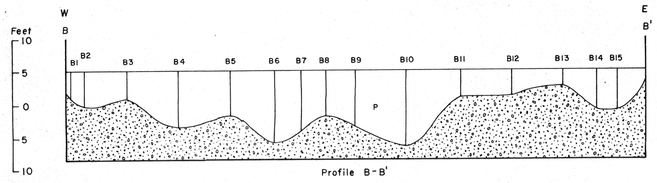
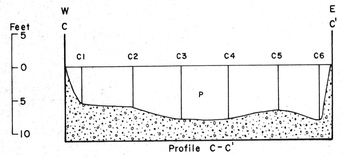
OPEN-FILE REPORT 81-1302
SHEET 1 of 3

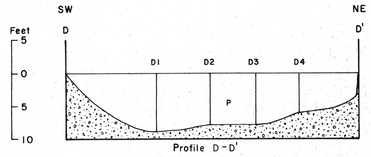
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

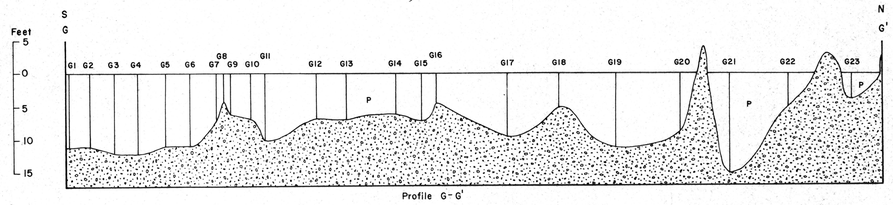
Profiles

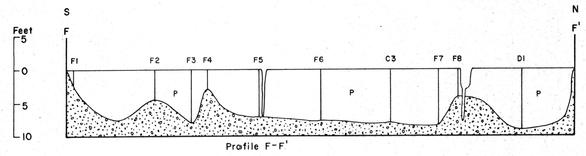


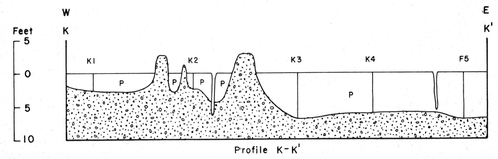


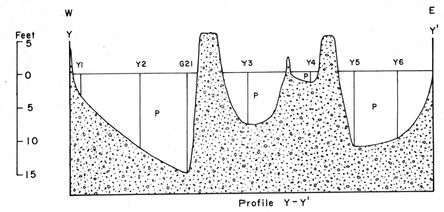












Profile Explanation

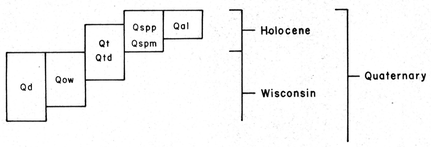
- P — Peat
- Alluvium
- A1 • — Core site

0 — Miles — 1

Vertical 132 X

Explanation

Approximate age of map units



Map units

Qspp	Peat; ash content less than 25%, and depth generally greater than 5 feet; generally with a 2-5 inch zone of volcanic ash interlayered with peat; boundaries shown with thicker lines than for other units
Qspm	Peat and muck; ash content greater than 25%, and/or depth generally less than 5 feet
Qal	Stream alluvium
Qt	Thick terrace alluvium
Qtd	Thin terrace alluvium on till
Qow	Glacial outwash alluvium
Qd	Glacial till
A3 •	Core site and designation on profile
M •	Core site and designation, isolated
	Stream course; shown when different from base map and traverses are affected

Estimated Peat Resources
(Exclusive of volcanic ash zone)

Area	Average thickness (feet)	Acres	Tons air-dried peat (200 tons minimum per acre foot)
I	9	450	810,000
II	7	65	91,000
III	9	260	468,000
IV	6	300	360,000
V	7	1,520	2,128,000
	Totals	2,595	3,857,000

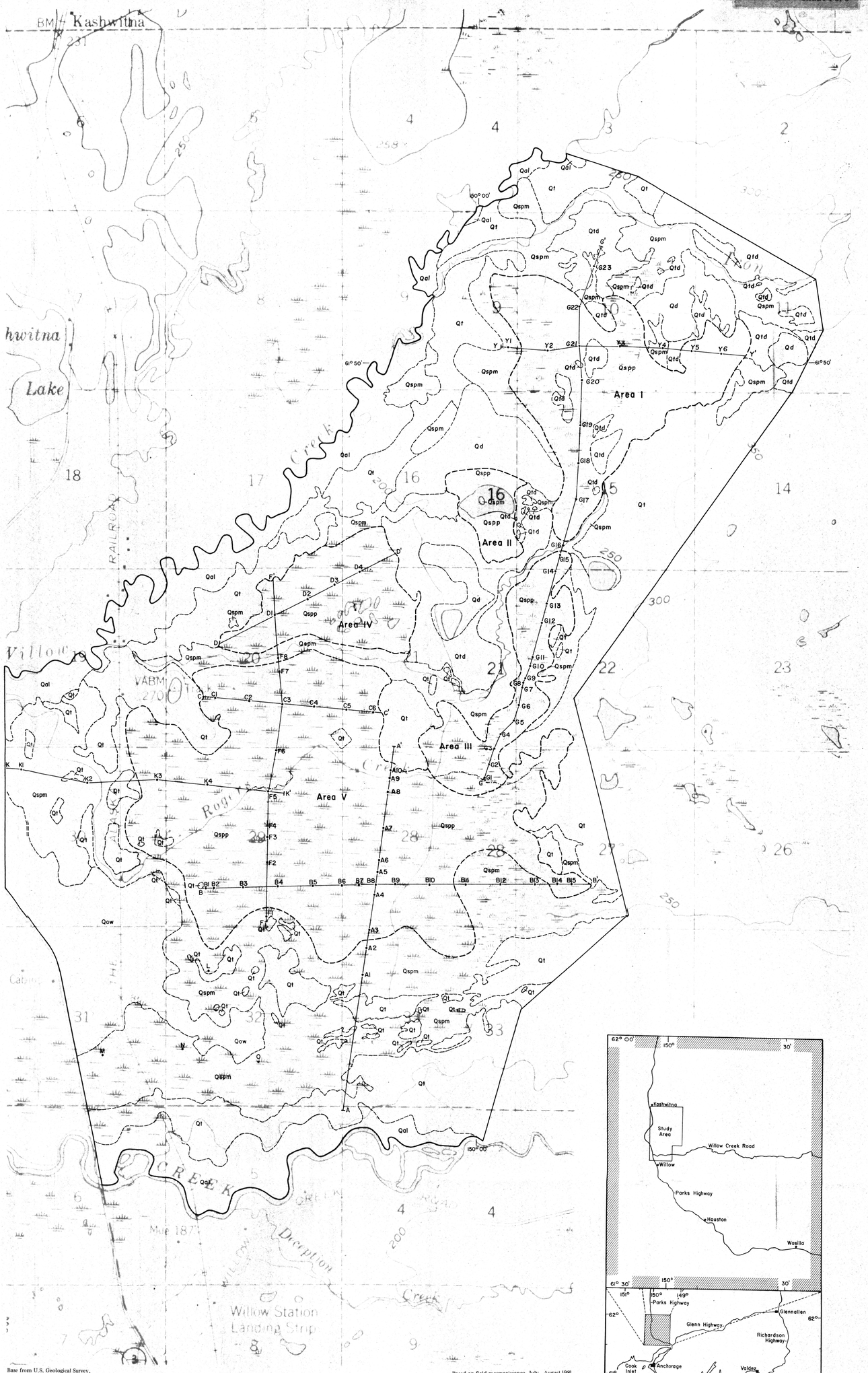
APPROXIMATE MEAN DECLINATION, 27°

Scale 1:15,840

1 0.5 0 0.5 1 MILE

1 0.5 0 0.5 1 KILOMETER

CONTOUR INTERVAL 50 FEET
DATUM IS MEAN SEA LEVEL



Base from U.S. Geological Survey, Anchorage D-8, 1954, and Tyonek D-1, 1949, quadrangles, Alaska.

Based on field reconnaissance, July - August 1981 and aerial photograph interpretation, September 1981. Geologic units adapted from Reger, R.D., 1981, Geologic and materials maps of the Anchorage C-8 SE quadrangle, Alaska: Alaska Division of Geological and Geophysical Surveys Geological Report 65, 2 pl., scale 1:25,000.

SURFICIAL GEOLOGY AND PEAT RESOURCES MAP OF THE ROGERS CREEK AREA, SUSITNA VALLEY, ALASKA

By Cornelia C. Cameron[1], Thomas J. Malterer[2], Stuart E. Rawlinson[3], and Steven B. Hardy[3]

1981

1. U.S. Geological Survey, Reston, VA. 22090 2. Minnesota Department of Natural Resources, St. Paul, MN. 55100 3. Alaska Division of Geological and Geophysical Surveys, College, AK. 99708